

West Ellerbee Creek Multi-Use Path
Connector

February 2014

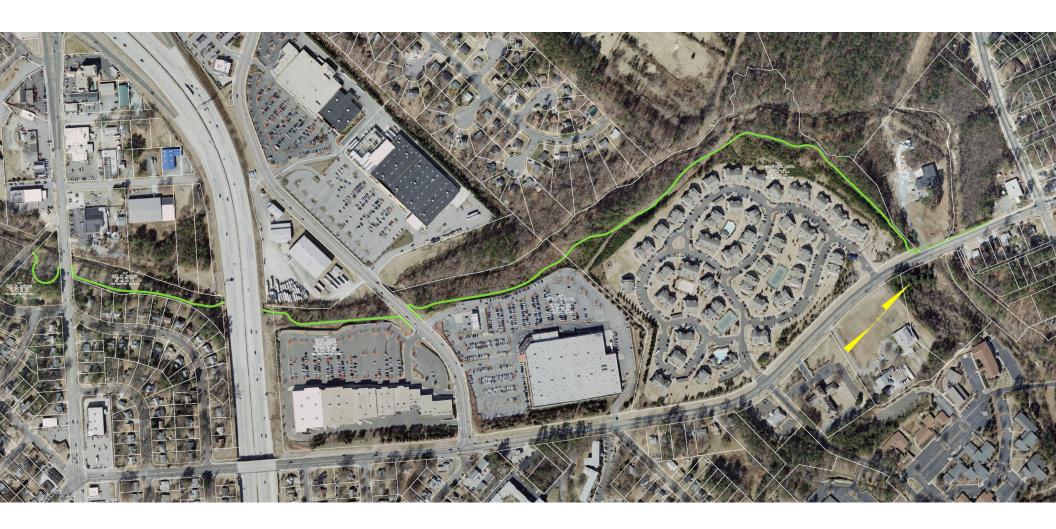


- Introduction
- Project Status
 - Design Status
 - Existing Easement Status
 - Property Acquisition Status
- Alternative Evaluation
- Closing

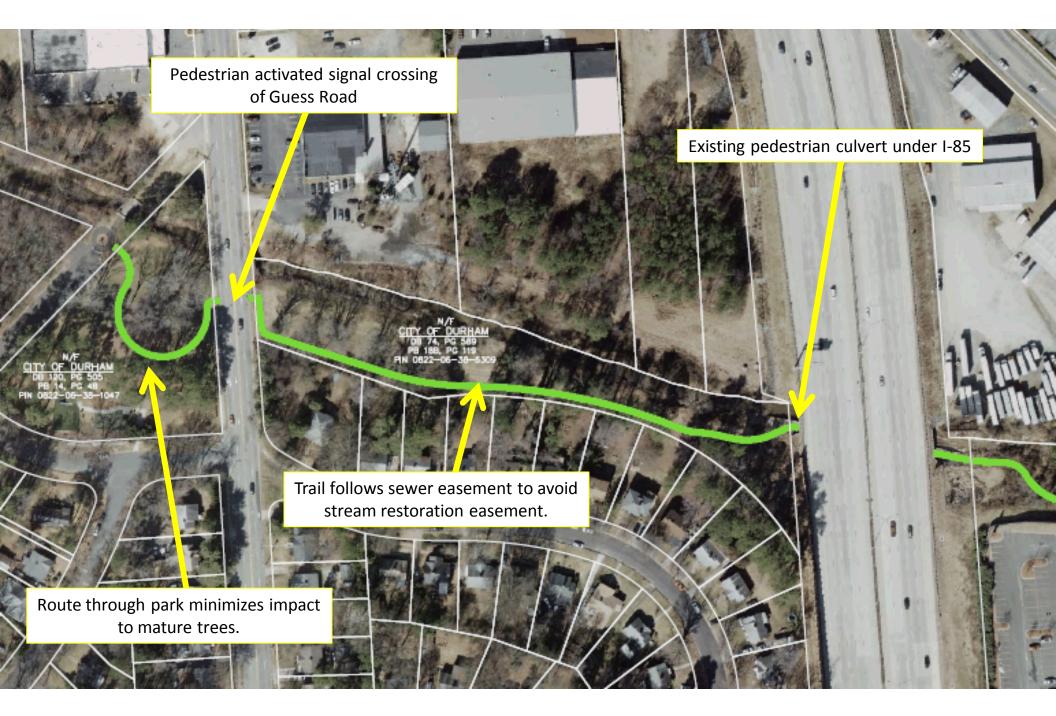


- Design Complete
- Durham Site-Plan and review complete and approved
- Water Quality Permits Acquired

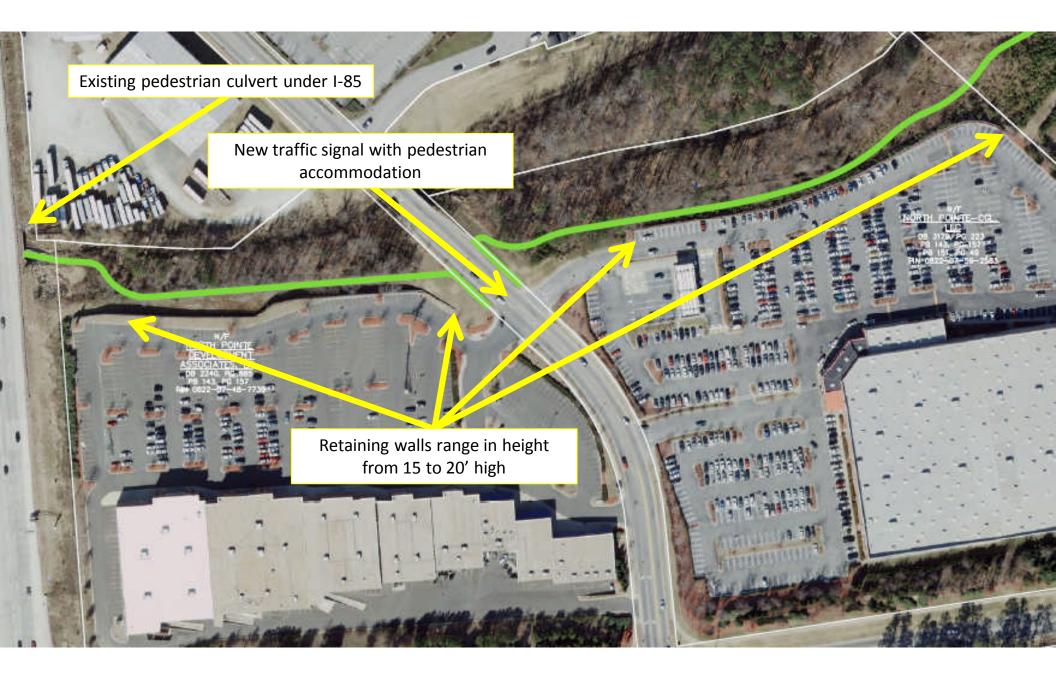








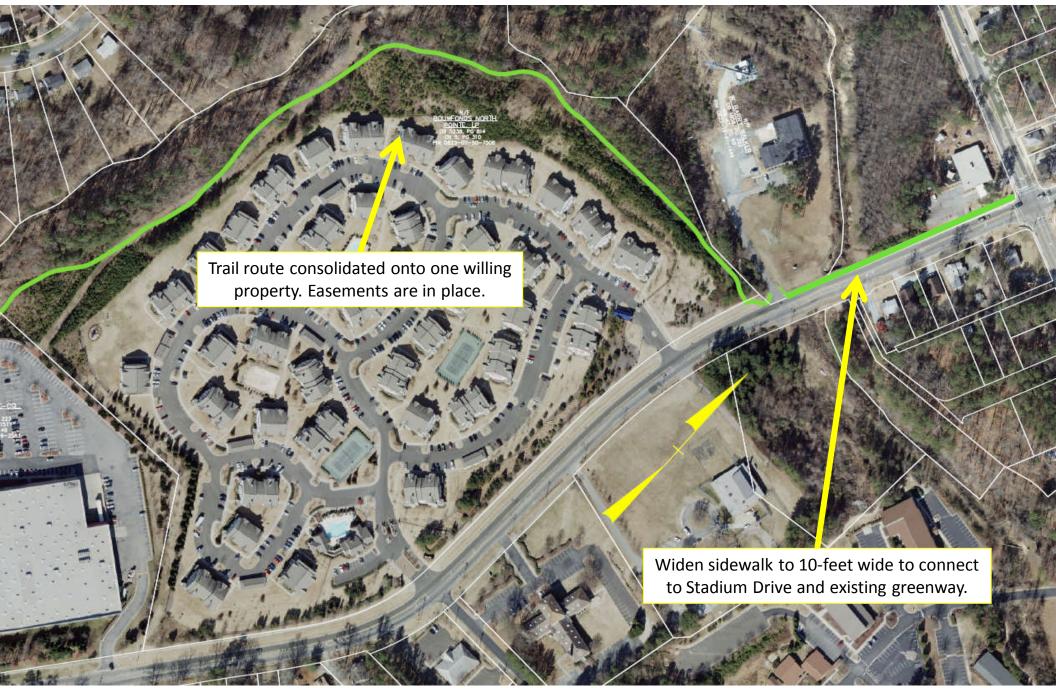




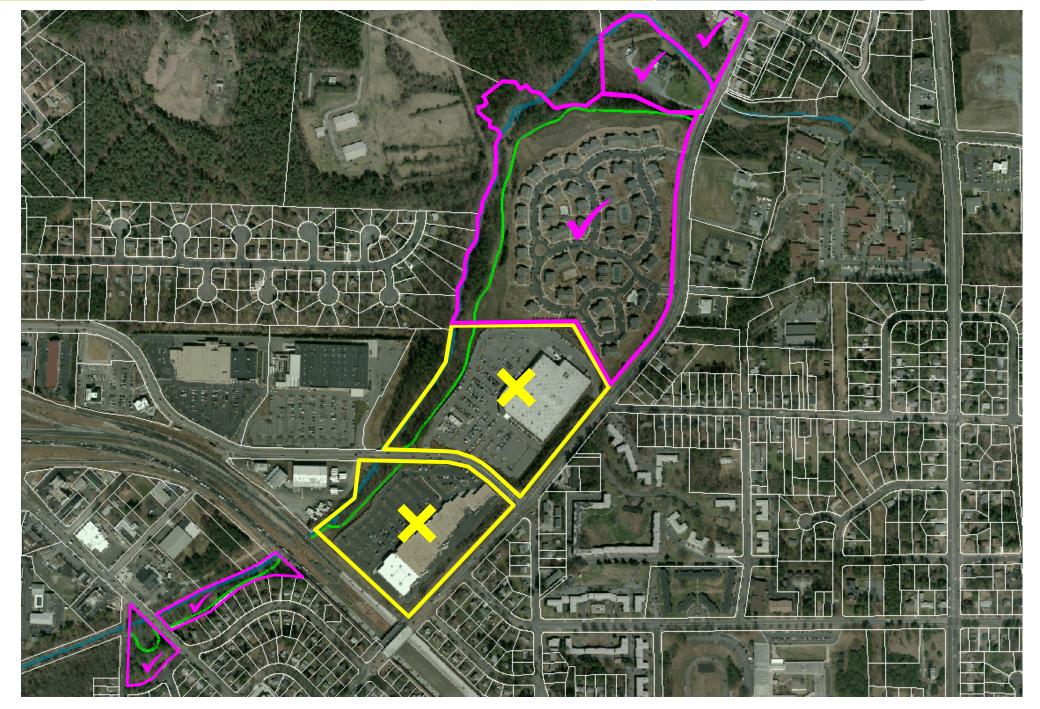




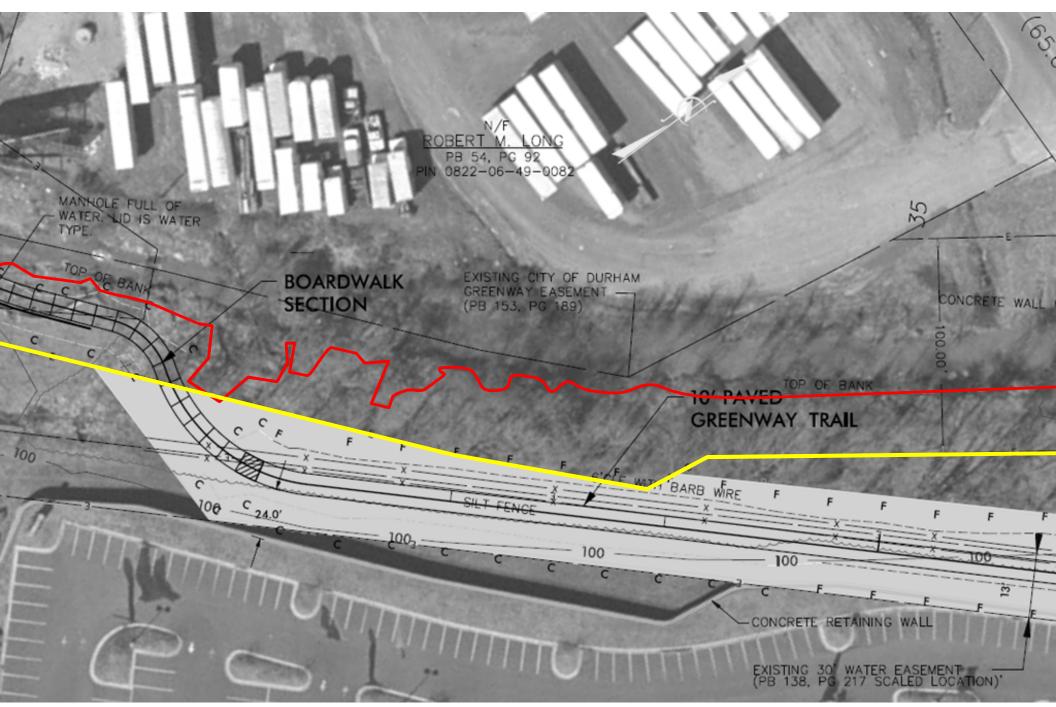




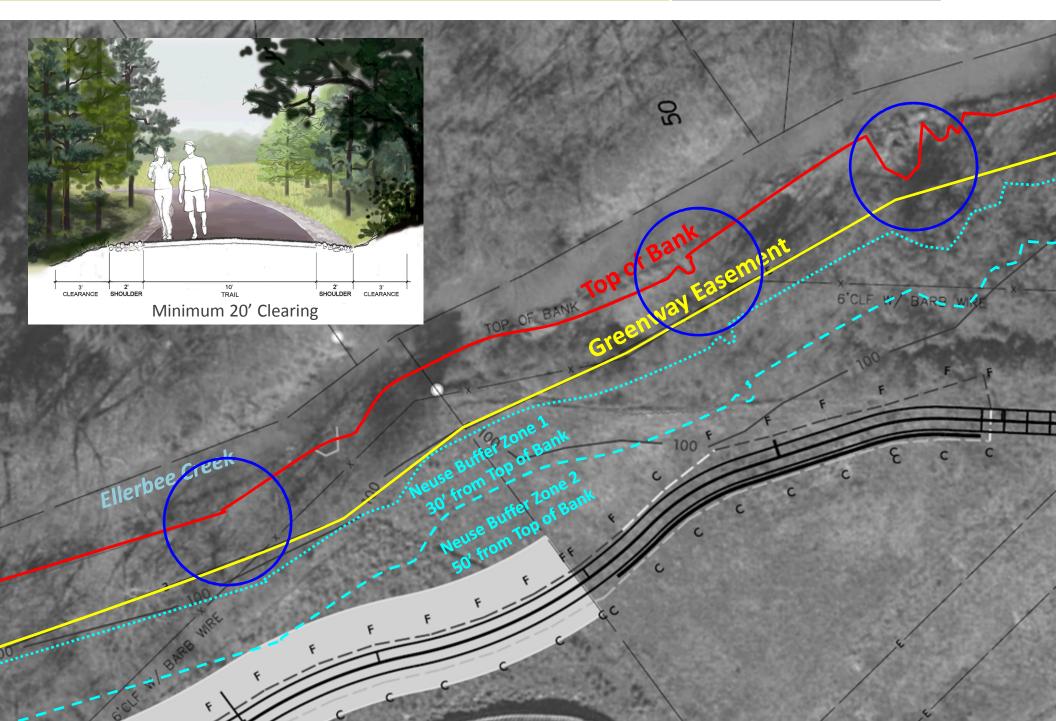




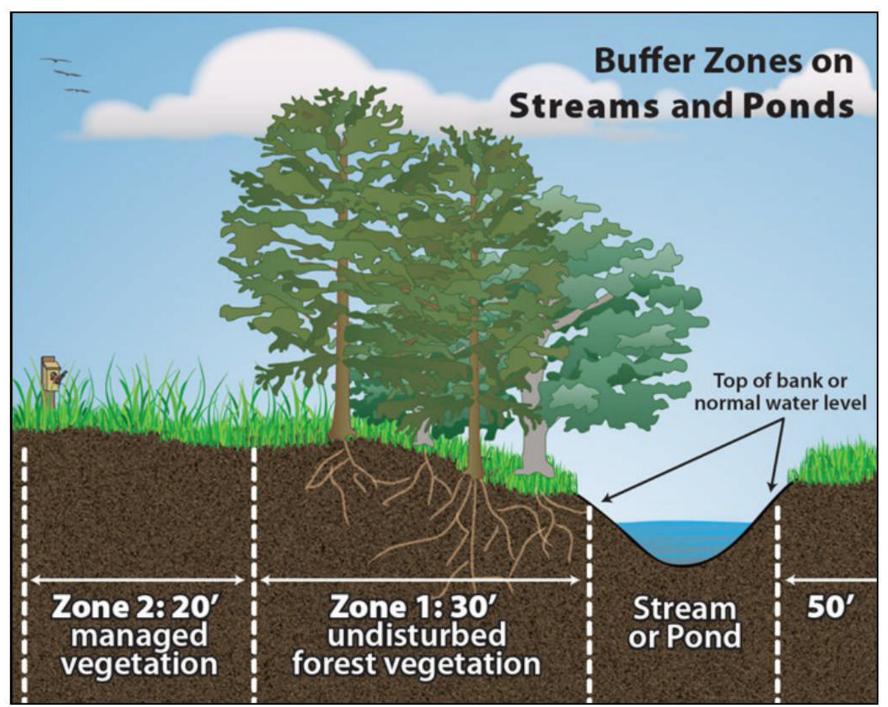








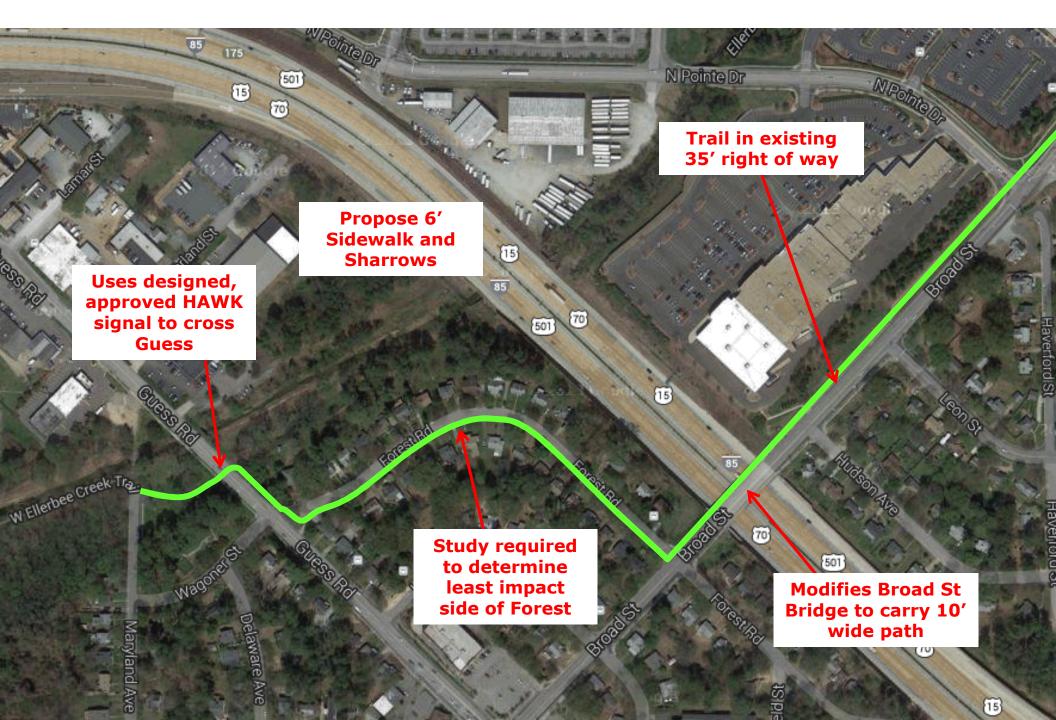




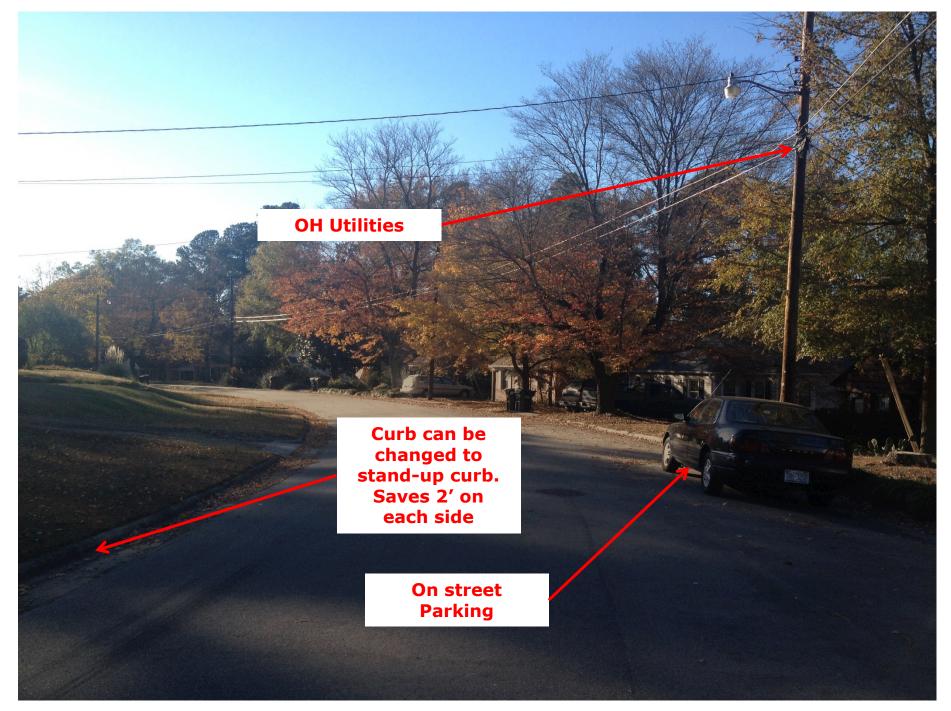


Alternate - Forest Road to Broad Street Alignment

















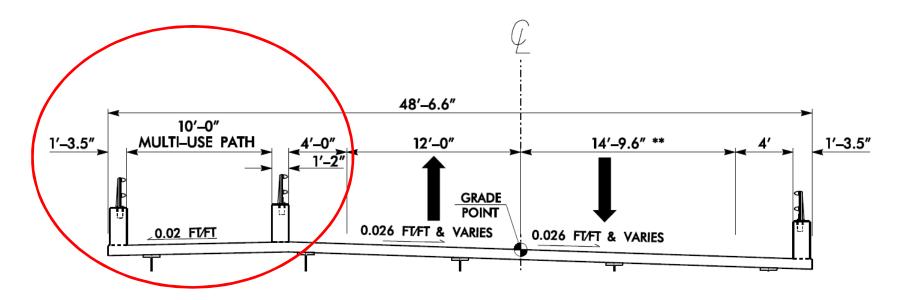
- Opportunity to create real bus stop
- Four lanes and easily be reconfigured to three
- Recommend 8-10 wide multi-use path with vertical divider





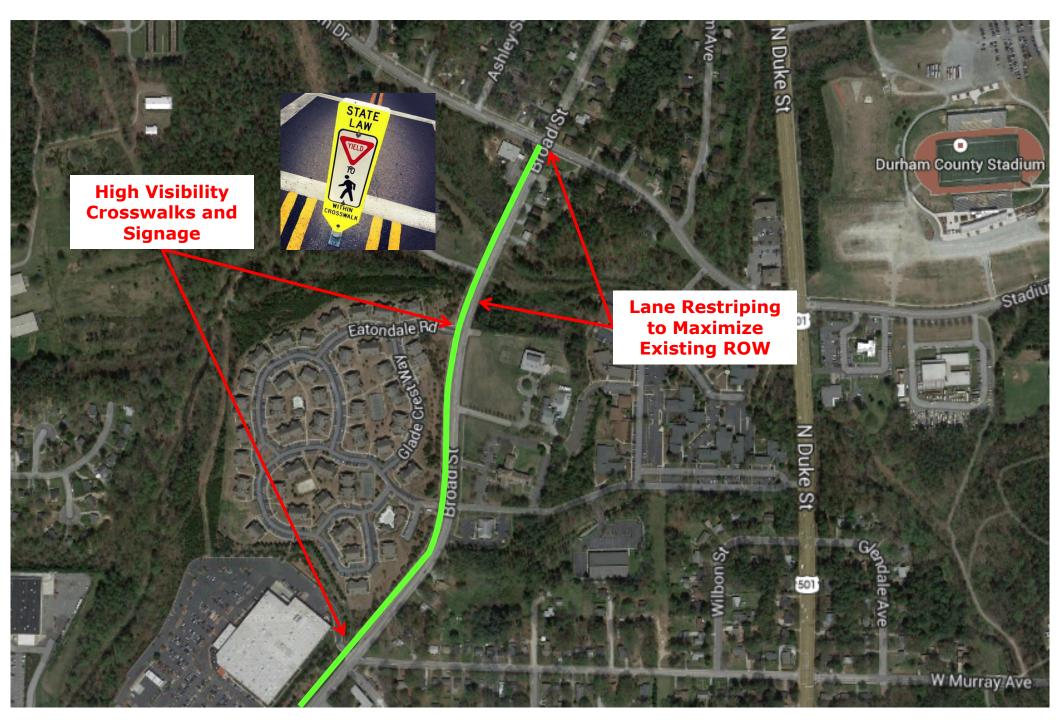




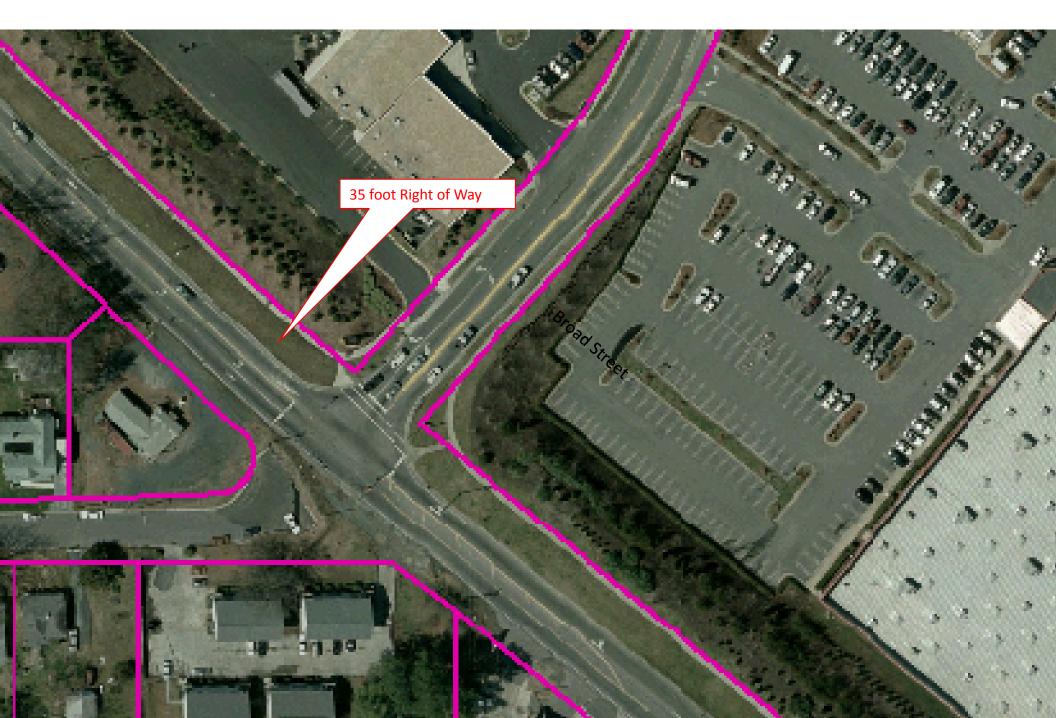




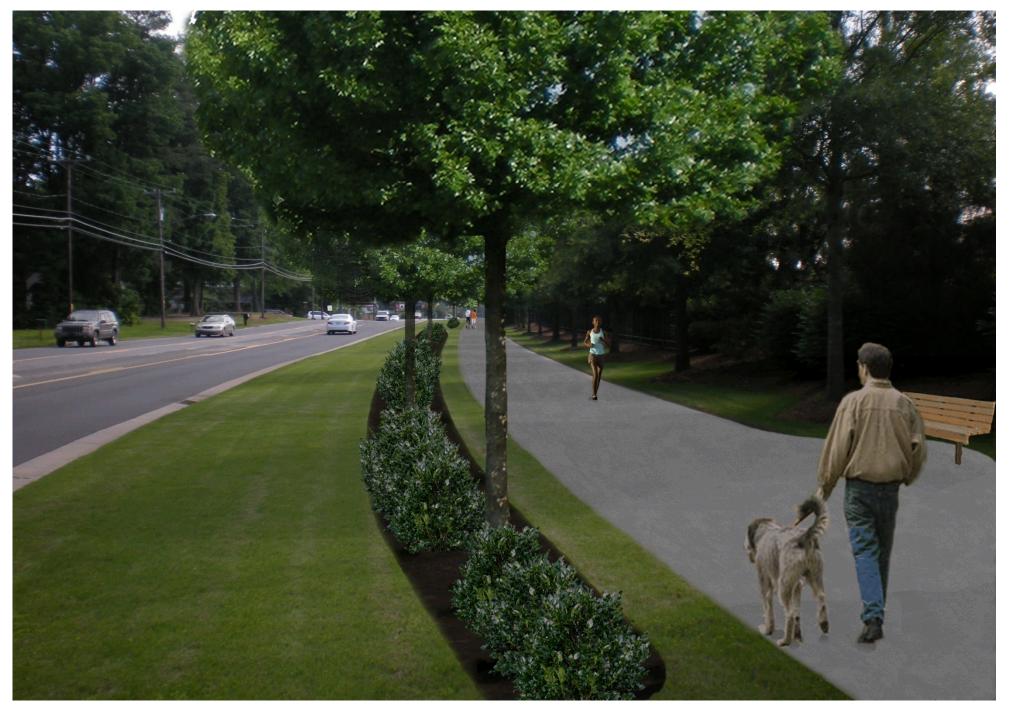




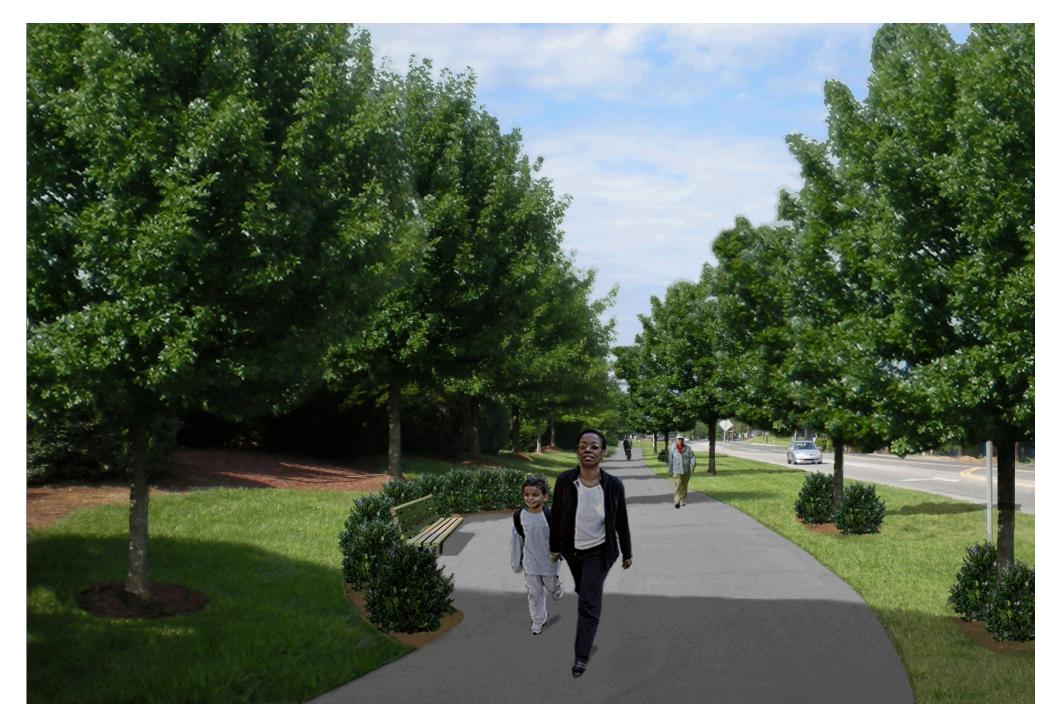












Cost and Funding

STRONGER BY DESIGN



Current Professional Services Contract \$ 248,540

FY2014 CIP Land Acquisition Budget \$ 75,000

Estimated Construction and Additional Professional Services

Creek Alignment \$1,597,411

Broad St. Alignment \$ 916,838

Note:

Requested CMAQ Funding* \$1,081,600

*CMAQ funding available for construction and requires a 20% match from the City. If construction costs are reduced, CMAQ funding will be reduced and the City match will be adjusted accordingly. CMAQ funding is not applicable to Professional Service Fees.



- Decision making point of proceeding with existing trail alignment and acquisition (possibly condemnation) or pursue alternate trail alignment.
- Schedule Analysis
- FY2014 Land Acquisition Budget Status



Creek Align	<u>mer</u>	nt S	che	dul	e w	ith	Cor	ndm	nen	atio	<u>on</u>																		
	Calendar 2014					Calendar 2015							Calendar 2016																
	City FY14 City					ity F	FY15							City FY16															
									Federal FY15							Federal FY16													
	January	February	March	April	Мау	June	July	August	September	October	November	December	January	rebruary	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May
Complete City Approvals (PW CDs)																													
Easement Condemnation																													٦
MPO and NCDOT TIP/STIP Approval																													
Municipal Agreement																													
City Council adopts Project/Grant ordinance (local funds committed)																													
NCDOT Certification Process																													
Federal Authorization Process (federal funds committed)																													
Bid Preparation and Advertisement																													
*Construction Schedule: 10 - 12 months, Completion 3/2017																													
Alternate	Sc	<u>hed</u>	ule	- Bı	roa	d St	t. Co	onn	ect	or																			
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Design/Redesign																													
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Authorities Having Jurisdiction Approvals																													
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Property	Area (SF)	Easement Value @ \$17,500 per acre \$.40 per SF	Title Search	Appraisal and Review Appraisal	Additional	Potential Legal Costs Condemnation
,		•				
Bed Bath & Beyond Complex	11,761.20	\$0.00 - \$4,704.48	\$1,000.00	\$2,500.00	\$100.00	\$10,000.00
Costco	38,332.80	\$0.00 - \$15,333.12	\$1,000.00	\$2,500.00	\$100.00	\$10,000.00
Bouwfonds*	64,468.80	\$4,000.00 (legal fees)	N/A	N/A	N/A	N/A
OTAL 114,562.80		\$24,037.60	\$2,000.00	\$5,000.00	\$200.00	\$20,000.00
	Project Total	\$ 51,237.60				
	CIP FY2014 Funding	\$ 75,000.00				

^{*} Estimated easement value \$25,787.52. Bouwfonds has stated they would donate the easements if the City would pay \$4,000 for legal review fees associated with transaction. Bouwfonds is currently reviewing easement option.



END OF SLIDE PRESENTATION

The following Slides are provided as support to alternative route investigations



- Option 1 Opposite Side of Creek
- Option 2 Behind Noise Wall, Behind Homes on Forest Road
- Option 3 Along North Side of I-85 to Broad Street







- Option 1 Opposite Side of Creek
- Option 2 Behind Noise Wall, Behind Homes on Forest Road
- Option 3 Along North Side of I-85 to Broad Street
- Option 4 Along Forest Road to Broad Street

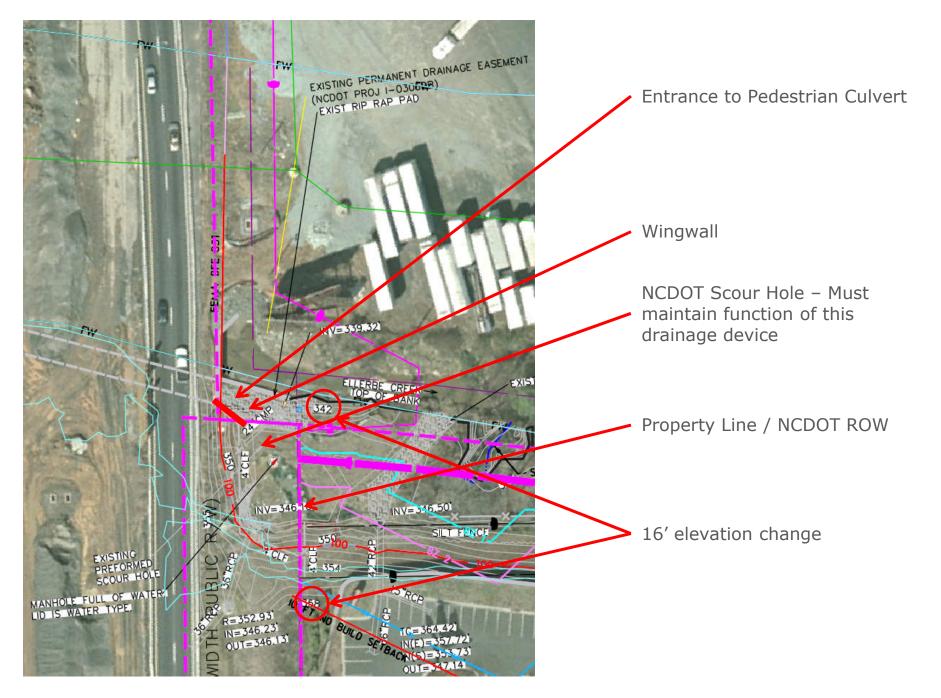






- Option 1 Opposite Side of Creek
- Option 2 Behind Noise Wall, Behind Homes on Forest Road
- Option 3 Along North Side of I-85 to Broad Street
- Option 4 Along Forest Road to Broad Street

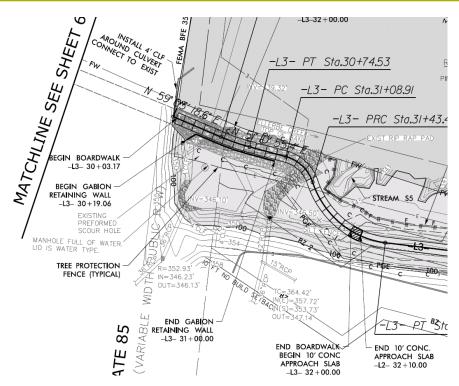


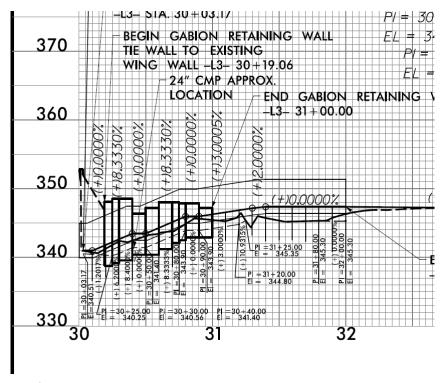






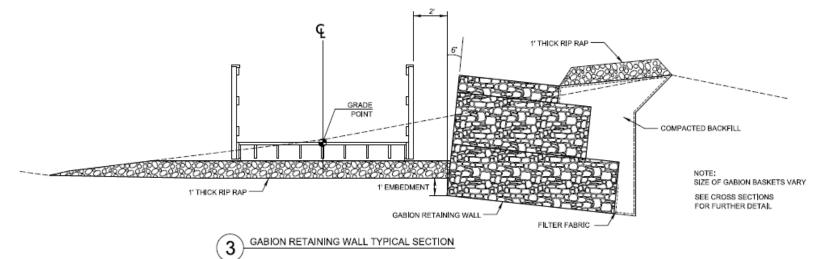






Plan View - Note gabion wall extends beyond NCDOT ROW

Profile – Note steep grade is unavoidable given drainage constraints.









Current design is consistent with 1999 Master Plan:

- Existing greenway easement was not adequate to accommodate the trail
- Additional easements would be required
- Trail leaves the creek to avoid steep grades along creek

